Application to Register a Renewable Energy Facility or New Renewable Energy Facility Pursuant to Rule R8-66

Please complete the form, print it, have it signed, and notarized, and make 9 copies and send them to the Chief Clerk of the Commission.
You may also file this application electronically; please see www.ncuc.net/electronic filing.html for instructions. Be sure to attach additional information, such as maps, as required.

Applicants should consult Rule R8-66 while completing this form in order to ensure they provide sufficient information.

1	Facility name:	Thanksgiving Fire Solar Farm, LLC
2	Full and correct name of the owner of the facility:	Thanksgiving Fire Solar Farm, LLC
3	Business address:	4155 St Johns Parkway, Ste 1100, Sanford, FL 32771
4	Electronic mailing address:	mstevens@esarenewables.com
5	Telephone number:	(407) 268-6455
6	Owner's agent for purposes of this application, if applicable:	Lindsay Herold
7	Agent's business address:	4155 St Johns Parkway, Ste 1100, Sanford, FL 32771
8	Agent's electronic mailing address:	mstevens@esarenewables.com
9	Agent's telephone number:	(407) 268-6455
10	The owner is:	Individual ☐ Partnership ☐ Corporation/LLC ☑
11	If a corporation, state and date of incorporation:	State: North Carolina Date: 05/26/16
12	If a corporation that is incorporated outside of North Carolina, is it domesticated in North Carolina?	YES ☐ NO ☑
13	If a partnership, the name and business address of each general partner. (Add additional sheets if necessary.)	N/A

14	Nature of the renewable energy facility:	Solar Photovoltaic
15	Describe the facility, including its technology, and the source of its power and fuel(s). Thermal facilities should describe how its host uses the facility's thermal energy output. (Add additional sheets if necessary.)	The facility is a solar photovoltaic facility and the source of its power is the sun.
16	Whether it produces electricity, useful thermal energy, or both:	It produces electricity
17	Nameplate capacity in kW/MW (AC) and/or maximum Btu per hour for thermal facilities:	1999 kW
18	The facility's projected dependable capacity in kW AC and/or Btu/hour:	0
19	The E911 address of the facility:	5032 Thanksgiving Fire Road, Zebulon, NC 27597
20	The county where the facility will be located:	Johnston
21	GPS coordinates for the center of the facility's site:	35.700761° -78.327109°
22	The location of the facility set forth in terms of local highways, streets, rivers, streams, or other generally known local landmarks. Attach a map, such as a county road map, with the location indicated on the map.	See attached
22	The site owner:	The owner is William Ronald Barham and Charlotte Barham.
23	What is the facility owner's legal interest in the site?	The Applicant has entered into a long-term lease agreement with the landowner.
List the federal and state approvals that are required to build and/or operate this facility, and attach copies of those that have been obtained. Wind facilities with multiple turbines, where each turbine is licensed separately, may provide copies of approvals for one such turbine but shall add an attestation that approvals for all of the turbines are		

available for inspection.		
24	Federal permits and licenses:	FERC Approval
25	State permits and licenses:	General building Permit, Electrical Permit, Special Use Permit
26	Exemptions required for construction and operation of the facility:	N/A
27	Statement of whether each permit or exemption has been obtained or applied for (attach a copy of those that have been obtained with this application):	Each required permit and license is in the process of being applied for.
28	If the facility has been placed into service, on what date did the facility begin operating?	N/A
29	If the facility is not yet operating, on what date is the facility projected to be placed into service?	06/01/2017
30	If the facility is already operating, what is the amount of energy produced by the facility, net of station use, for the most recent 12-month or calendar-year period? Energy production data for a shorter time period is acceptable for facilities that have not yet operated for a full year.	N/A
31	What entity does (or will) read the facility's energy production meter(s) for the purpose of issuing renewable energy certificates?	Duke Progress Energy

32	For thermal energy facilities, describe the method to be used to determine the facility's thermal energy production, in Btus per hour, that will be eligible for REC issuance. (Add sheets if necessary.)	N/A
33	Does the facility participate in a REC tracking system and if so, which one? If not, which tracking system will the facility participate in for the purpose of REC issuance?	The facility will participate in the NC-RETS REC tracking system.
34	If this facility has already been the subject of a proceeding or submittal before the Commission, such as a Report of Proposed Construction or a Certificate of Public Convenience and Necessity, please provide the Commission Docket Number, if available.	N/A
If the facility is a combined heat and power system, the owner shall also include in its registration statement the following information:		
35	A narrative description and one-line diagram of the electrical and thermal generation systems to include Btu meters, boilers, steam pressures, valves, turbines, and ultimate uses of the steam. Also, include any crossover of steam, cross connections (even if by spool piece), or the ability to supply steam from other means or to other loads.	N/A
36	A description of the parasitic electrical and parasitic thermal loads. (Add sheets if necessary.)	N/A
37	Calculations for the energy used by the parasitic electrical and parasitic thermal loads, with supporting documents. (Add sheets as necessary.)	N/A

38	A description of the method of collecting the waste heat from the electrical generating system. (Add sheets as necessary.)	N/A
39	A description of the host(s) of the waste heat and an explanation of how the waste heat will be used and useful.	N/A
40	Calculations of the percent of energy that is delivered to the system host(s) but not used and useful.	N/A
41	Confirmation if the proposed operation have any pressure-reducing valves operating simultaneously in parallel with any back-pressure turbines?	N/A
If the facility owner intends to earn multiple types of RECs by using a variety of fuels, the owner should include in its registration statement the following additional information:		
42	Example calculations for the energy production associated with each fuel used by the facility as required by Appendix C (Multi-fuel Generation) to the Operating Procedures for the North Carolina Renewable Energy Tracking System. These calculations must ultimately show the electrical and thermal energy (if any) attributable to only the renewable fuels and how the number of renewable energy certificates would be determined.	N/A
43	Describe each fuel to be used by the facility:	N/A
44	Describe how the heat content of each fuel is or will be determined for the purpose of issuing renewable energy certificates:	N/A

The owner of the renewable energy facility shall provide the following attestations, signed and notarized:

1. [✔] Yes [ ] No I certify that the facility is in substantial compliance with all federal and state laws, regulations, and rules for the protection of the environment and conservation of natural resources.

2. [✔] Yes [ ] No I certify that the facility satisfies the requirements of G.S. 62-133.8(a)(5) or (7) as a:

   [ ] renewable energy facility, or

   [✔] new renewable energy facility,

   and that the facility will be operated as a:

   [ ] renewable energy facility, or

   [✔] new renewable energy facility.

3. [✔] Yes [ ] No I certify that 1) my organization is not simultaneously under contract with NC GreenPower to sell RECs emanating from the same electricity production being tracked in NC-RETS; and 2) any renewable energy certificates (whether or not bundled with electric power) sold to an electric power supplier to comply with G.S. 62-133.8 have not, and will not, be remarketed or otherwise resold for any other purpose, including another renewable energy portfolio standard or voluntary purchase of renewable energy certificates in North Carolina (such as NC GreenPower) or any other state or country, and that the electric power associated with the certificates will not be offered or sold with any representation that the power is bundled with renewable energy certificates.

4. [✔] Yes [ ] No I certify that I consent to the auditing of my organization's books and records by the Public Staff insofar as those records relate to transactions with North Carolina electric power suppliers, and agree to provide the Public Staff and the Commission access to our books and records, wherever they are located, and to the facility.

5. [✔] Yes [ ] No I certify that the information provided is true and correct for all years that the facility has earned RECs for compliance with G.S. 62-133.8.

6. [✔] Yes [ ] No I certify that I am the owner of the renewable energy facility or am duly authorized to act on behalf of the owner for the purpose of this filing.

(Signature)

Manager
(Title)

Lindsay Herold
(Name - Printed or Typed)

07/08/2016
(Date)

VERIFICATION

STATE OF Florida COUNTY OF Seminole

Lindsay Herold, personally appeared before me this day and, being first duly sworn, says that the facts stated in the foregoing application and any exhibits, documents, and statements thereto attached are true as he or she believes.

WITNESS my hand and notarial seal, this 8 day of July, 2016.

My Commission Expires: Feb 24, 2020

Signature of Notary Public

VERONICA VALENCIA
Commission # FF 964128
My Commission Expires
February 24, 2020

Veronica Valencia

Name of Notary Public – Typed or Printed

The name of the person who completes and signs the application must be typed or printed by the notary in the space provided in the verification. The notary's name must be typed or printed below the notary's seal. This original verification must be affixed to the original application, and a copy of this verification must be affixed to each of the 15 copies that are also submitted to the Commission.

Directions from Raleigh

1. Start out going west on W Edenton St toward N McDowell St/US-70 W/US-401 N/NC -50.
2. Take the 1st right onto N McDowell St/US-70 W/US-401 N/NC -50.
3. Merge onto I-440 S toward Rocky Mount.
4. Merge onto US-64 E/US-264 E via Exit 14 toward Greenville/Wilson/Rocky Mount.
5. Merge onto Wendell Blvd/US-6 Bus E via Exit 429.
6. Turn right onto Selma Rd/NC-231. Continue to follow NC-231.
7. Stay straight to go onto Wendell Rd.
8. Turn left onto Lake Wendell Rd.
9. Take the 1st right onto Old Johnson Rd.
10. Turn right onto Applewhite Rd.
11. Applewhite Rd becomes Thanksgiving Fire Rd.
12. Go approximately 0.26 miles and the site will be on your left.

Site is Outlined in Red